Cognizant UK offers a wide range of **digital transformation and IT services** tailored to various industries. Here's a breakdown of what they provide:

### **💼 Core Services**

* **IT Consulting & Strategy**: Helping businesses modernize their technology infrastructure and align IT with business goals.
* **Application Development & Management**: Building and maintaining custom software solutions.
* **Systems Integration**: Ensuring seamless connectivity between different platforms and technologies.
* **Business Process Services**: Streamlining operations through automation and process optimization.
* **Digital Experience & Customer Engagement**: Enhancing user experiences across digital channels.

### **🏥 Industry-Specific Solutions**

* **Healthcare**: Digital health platforms, patient engagement tools, and data analytics.
* **Banking & Financial Services**: Core banking modernization, risk management, and digital payments.
* **Retail & Consumer Goods**: E-commerce platforms, supply chain optimization, and customer analytics.
* **Communications & Media**: Network transformation, content delivery, and customer experience solutions.
* **Manufacturing & Logistics**: Smart factory solutions, IoT integration, and predictive maintenance.

### **🚀 Emerging Technologies**

* **AI & Machine Learning**: Intelligent automation and data-driven insights.
* **Cloud Services**: Migration, management, and optimization of cloud environments.
* **IoT & Engineering R&D**: Especially strong in aerospace and defense through their Belcan partnership.

### **🧰 Software Recommendations by Use Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | **Recommended Tools** | **Pricing (Approx.)** | **Priority Factors** |
| **Cloud Infrastructure** | AWS, Azure, Google Cloud | Pay-as-you-go / Tiered | Scalability, compliance, global reach |
| **Data Analytics & BI** | Power BI, Tableau, Looker | $10–$70/user/month | Data volume, visualization needs, integrations |
| **CRM & Sales Automation** | Salesforce, HubSpot, Zoho CRM | $25–$300/user/month | Sales cycle complexity, team size |
| **Project Management** | Jira, Asana, Monday.com | $10–$30/user/month | Agile vs waterfall, collaboration needs |
| **DevOps & CI/CD** | GitHub Actions, Jenkins, GitLab | Free–$99/month | Deployment frequency, automation level |
| **ERP Systems** | SAP, Oracle NetSuite, Odoo | $99–$999+/month | Business size, modules needed, integration scope |
| **Customer Support** | Zendesk, Freshdesk, Intercom | $15–$99/user/month | Ticket volume, omnichannel support |
| **Marketing Automation** | Mailchimp, Marketo, ActiveCampaign | $10–$1,000+/month | Campaign scale, segmentation, analytics |
| **AI/ML Platforms** | Azure ML, AWS SageMaker, DataRobot | Usage-based | Model complexity, data pipelines, governance |
| **Cybersecurity** | SentinelOne, CrowdStrike, Okta | $8–$50+/endpoint/month | Endpoint count, compliance, threat landscape |

|  |  |
| --- | --- |
| **Priority Level** | **Meaning** |
| **Must Have** | Essential to project success. Without this, the project fails. |
| **Should Have** | Important, but not essential. Can be delivered if time and budget allow. |
| **Could Have** | Nice to have, lower impact. Deliver only if quick wins are possible. |
| **Won’t Have (Now)** | Agreed to be out of scope for the current phase. Possibly future backlog. |

**Project Table**

The project table should include:

Project name, start date, end date, number of users, and the delivery model.

The delivery model will be categorized into On-prem, Cloud or Hybrid.

**Technology stack**

The Technology stack table should include the technology name, category ID and the status.

The category ID can be found in the category table.If the category is not listed in the table just return a new category name

The status will be either Existing, Planned or to be replaced.

**Category table**

The category table refers to the category of technology.

|  |
| --- |
| **Category Name** |
| CRM |
| BI |
| Cloud |

**Requirement table**

Each requirement should include a requirement type, a description and a priority level.

The requirement type should be whether the requirement is a functional one or a non-functional one.

**Client table**

The client table should include a unique client ID, client name (organisation), contact email, contact number, location and industry ID.

The industry ID will be referred to in a separate industry table which will also include the type of industry, e.g. bank, healthcare, retail, etc.

**Interaction**

Each interaction entry includes a source type that specifies whether the content originated from an Email, Meeting Transcript, Chat, or Document. If the

**Constraints**

The input should describe constraints that the client is facing.

The constraint should be labelled as a High, Medium or Low severity.

The constraint will have a Constraint Type ID which will link to the Constraint type table

**Constraint Type**

The constraint type refers to the constraints table. If the user has a new constraint that is not listed in the table just return a new constraint type name

|  |
| --- |
| **Constraint Type Name** |
| Timeframe |
| Budget |
| Compliance |
| Tech Limitations |
| Risk |
| Resources |

Cognizant works with a diverse range of industries Here are some of the key industries they serve:

|  |
| --- |
| **Industry Name** |
| Aerospace & Defense |
| Automotive |
| Banking |
| Communications, Media & Technology |
| Education |
| Healthcare |
| Information Services |
| Insurance |
| Manufacturing |
| Oil & Gas |
| Blue Economy |
| Capital Markets |
| Consumer Goods |
| Life Sciences |

Example of JSON output:

input = {

"Clients": {

"ClientName": "Acme Corp",

"ContactEmail": "contact@acme.com",

"ContactNumber": "+44 1234 567890",

"Location": "London, UK",

"IndustryID": "Financial Services"

},

"Project": {

"ProjectName": "Real-Time Sales Dashboard",

"StartDate": "2025-07-01",

"EndDate": "2025-12-01",

"NumUsers": 150,

"ProjectStatus": "Proposed",

"Budget": 80000,

"DeliveryModel": "Cloud"

},

"Requirements": [

{

"InteractionID": {

"Timestamp": "2025-06-26T10:00:00",

"SourceTypeID": "Email",

"RawText": "[Full transcript here]",

"ExtractedSummary": "Client wants cloud-based BI dashboard integrated with Salesforce."},

"Type": "Functional",

"Description": "Dashboards must display live sales data from Salesforce.",

"Status": "Confirmed",

"PriorityType": "Must",

"RequirementCategoryID": "Data & Analytics"

},

{

"InteractionID": {

"Timestamp": "2025-03-14T15:30:00",

"SourceTypeID": "Teams Call",

"RawText": "[Full transcript here]",

"ExtractedSummary": "Client is exploring edge computing infrastructure to optimize factory sensor analytics."},

"Type": "Non-functional",

"Description": "Business users should be able to edit visualisations without IT help.",

"Status": "In Review",

"PriorityType": "Should",

"RequirementCategoryID": "Data & Analytics"

}

],

"Constraints": [

{

"ConstraintTypeID": "Budget",

"Description": "Must stay within £80,000 allocated capital.",

"Severity": "High",

"InteractionID": {

"Timestamp": "2025-03-09T11:00:00",

"SourceTypeID": "In-person",

"RawText": "[Full transcript here]",

"ExtractedSummary": "Client proposes a smart ticketing system using QR codes and IoT-enabled kiosks."}

},

{

"ConstraintTypeID": "Timeframe",

"Description": "Project must be completed by end of Q4.",

"Severity": "Medium",

"InteractionID": {

"Timestamp": "2025-08-17T12:30:00",

"SourceTypeID": "Phone call",

"RawText": "[Full transcript here]",

"ExtractedSummary": "Client requires multilingual chatbot solution trained on existing Zendesk ticket archive."}

}

],

"ProjectTechnology": [

{

"TechName": "Salesforce",

"Status": "Existing",

"Category": "CRM"

},

{

"TechName": "Excel",

"Status": "Existing",

"Category": "BI"

},

{

"TechName": "Google Looker",

"Status": "Planned",

"Category": "BI"

},

{

"TechName": "Tableau",

"Status": "Planned",

"Category": "BI"

},

{

"TechName": "Power BI",

"Status": "To Be Replaced",

"Category": "BI"

}

]

}

**Data & Reporting** *E.g., dashboards, KPIs, analytics, real-time reports*

**Technology & System Integration** *E.g., CRM/ERP implementation, legacy upgrades, API connectivity*

**Security & Compliance** *E.g., GDPR, audit trails, access control, data protection*

**Process Automation** *E.g., workflow automation, approvals, repetitive task handling*

**Inventory & Operations Management** *E.g., inventory tracking, resource planning, order fulfillment*

**Financial & Budgeting** *E.g., cost control, ROI tracking, budget management*

**Customer & Sales Enablement** *E.g., CRM features, lead management, order tracking*

**User Access & Interface** *E.g., role-based access, mobile interfaces, multilingual support*

**AI & Intelligent Automation** *E.g., predictive analytics, chatbots, sentiment analysis*

**Strategic & Business Goals** *E.g., market expansion, digital transformation, ESG tracking*

https://colab.research.google.com/drive/1U078WHOy16EnNQzRbmXN\_WiC8Mr1p0oX?usp=sharing